

Title (en)
LANDING GEAR DOOR ASSEMBLY

Title (de)
FAHRWERKSKLAPPENANORDNUNG

Title (fr)
ENSEMBLE TRAPPE DE TRAIN D'ATERRISSAGE

Publication
EP 1615819 A1 20060118 (EN)

Application
EP 04726218 A 20040407

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Abstract (en)
[origin: WO2004089743A1] An aircraft landing gear door assembly (1, 2, 3, 4, 5) includes a door (1), which is moveable to an open position, in which an aperture (6) is exposed, the landing gear (10) being able to be deployed through said aperture (6), and moveable to a closed position, in which the door (1) is closed across the aperture (6). The door (1) is arranged for rotational movement of a first type, in which the door rotates about an axis that is substantially parallel to the length of the aircraft, between the closed position and the open position. The door (1) is also arranged for movement of a second type, different from the first type, in which the door (1) rotates, about an axis that is substantially transverse to the length of the aircraft, to a position in which it acts as a fairing to reduce the noise caused by the landing gear or a part thereof. In one embodiment, the second type of movement is rotational movement about an axis that is substantially parallel to the door when in the closed position and the door (1) forms a ramp type fairing. In another embodiment, the second type of movement is rotational movement about an axis that is substantially transverse to the door when in the closed position and the door (31) forms a V-shaped fairing (when viewed from above) with an opposite door (33).

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B64C 25/16 (2013.01 - EP US); **B64C 2025/003** (2013.01 - EP US)

Citation (search report)
See references of WO 2004089743A1

Cited by
DE102011112318B4; EP2738089A3; CN107697269A; FR2911321A1; US7861971B2; DE102011112318A1; US8944382B2; US9511851B2

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